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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: SIEBEL et al. Examiner: Unassigned  
Serial No.: 09/954,483 Group Art Unit: 1645  
Filed: September 17, 2001 Docket: RMES-02  
For: METHODS OF PRODUCING CELLS AND ANIMALS COMPRISING  
TARGETED GENE MODIFICATIONS AND COMPOSITIONS  
RELATING THERETO

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**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
Washington, D.C. 20231

Sir:

Attached is a Form PTO-1449 listing each of the enclosed documents.

This Information Disclosure Statement ("IDS") is intended to be in full compliance with the rules, but should the Examiner find any part of its required content to have been omitted, prompt notice to that effect is respectfully requested, along with additional time under Rule 97(f), to enable Applicant to fully comply.

Should a first Office Action on the merits have been issued on the same day or before this IDS is filed, please accept this IDS under Rule 97(c) and charge the requisite fee under Rule 17(p) to our Deposit Account No. 50-1271, Order No. RMES-02 and proceed to consider this Information Disclosure Statement.

Consideration of the foregoing and enclosures, the return of a copy of the enclosed Form PTO-1449 with the Examiner's initials in the left column, and an action on the merits of this application are respectfully requested.

Respectfully submitted,  
DELTAGEN, INC.

5/31/02

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JUN 11 2002

Serial No.: 09/954,483

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## INFORMATION DISCLOSURE CITATION

FORM PTO-1449

O I P E  
JUN 11 2002

Atty. Docket No.: RMES-02

Inventor: SIEBEL et al.

Filing Date: September 17, 2002

Group Art Unit: 1645

## U.S. PATENT DOCUMENTS

EXAMINER'S INITIALS	REF.	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	AA	5,625,122	4/29/97	MAK	800	2	11/3/93
	AB	5,530,178	6/25/96	MAK	800	2	7/28/93
	AC	5,627,059	5/6/97	CAPECCHI et al.	435	172.3	6/5/95

## OTHER DOCUMENTS

EXAMINER'S INITIALS	REF.	(Including Author, Title, Date, Pertinent Pages, Etc.)
	AD	A. Bradley et al., "SITE-DIRECTED MUTAGENESIS IN THE MOUSE," Recent Progress in Hormone Research, Vol. 48, 1993, pp. 237-251
	AE	J. Snouwaert et al., "AN ANIMAL MODEL FOR CYSTIC FIBROSIS MADE BY GENE TARGETING," Science, Vol. 257, August 21, 1992, pp. 1083-1088
	AF	J. Dorin et al., "CYSTIC FIBROSIS IN THE MOUSE BY TARGETED INSERTIONAL MUTAGENESIS," Nature, Vol. 359, September 17, 1992, pp. 211-215
	AG	A. Silva et al., "DEFICIENT HIPPOCAMPAL LONG-TERM POTENTIATION IN $\alpha$ -CALCIUM-CALMODULIN KINASE II MUTANT MICE," Science, Vol. 257, July 10, 1992, pp. 201-206
	AH	C. M. Knudson et al., "BAX-DEFICIENT MICE WITH LYMPHOID HYPERPLASIA AND MALE GERM CELL DEATH," Science, Vol. 270, October 6, 1995, pp. 96-99
	AI	N. Wang et al., "IMPAIRED ENERGY HOMEOSTASIS IN C/EBP $\alpha$ KNOCKOUT MICE," Science, Vol. 269, August 25, 1995
	AJ	K. Paigen, "A MIRACLE ENOUGH: THE POWER OF MICE," Nature Medicine, Vol. 1, No. 3, March 1995, pp. 215-220
	AK	R. Bollag et al., "HOMOLOGOUS RECOMBINATION IN MAMMALIAN CELLS," Annu. Rev. Genet., Vol. 23, 1989, pp. 199-225
	AL	R. Kucherlapati et al., "HOMOLOGOUS RECOMBINATION BETWEEN PLASMIDS IN MAMMALIAN CELLS CAN BE ENHANCED BY TREATMENT OF INPUT DNA," Proc. Natl. Acad. Sci., Vol. 81, May 1984, pp. 3153-3157
	AM	T. Doetschman et al., "TARGETTED CORRECTION OF A MUTANT HPRT GENE IN MOUSE EMBRYONIC STEM CELLS," Nature, Vol. 330, No. 10, December 10, 1987, pp. 576-578
	AN	O. Smithies et al., "INSERTION OF DNA SEQUENCES INTO THE HUMAN CHROMOSOMAL $\beta$ -GLOBIN LOCUS BY HOMOLOGOUS RECOMBINATION," Nature, Vol. 317, September 19, 1985, pp. 230-234

EXAMINER:

DATE CONSIDERED:

<b>INFORMATION DISCLOSURE CITATION</b> <b>FORM PTO-1449</b> <small>JUN 11 2002</small> <small>PATENT &amp; TRADEMARK OFFICE U.S.A.</small>		Atty. Docket No.: RMES-02 Serial No.: 09/954,483
		Inventor: SIEBEL et al.
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**OTHER DOCUMENTS**

EXAMINER'S INITIALS	REF.	(Including Author, Title, Date, Pertinent Pages, Etc.)
	AO	K. Song et al., "ACCURATE MODIFICATION OF A CHROMOSOMAL PLASMID BY HOMOLOGOUS RECOMBINATION IN HUMAN CELLS," Proc. Natl. Acad. Sci., Vol. 84, October 1987, pp. 6820-6824
	AP	H. Kim et al., "RECOMBINANT FRAGMENT ASSAY FOR GENE TARGETTING BASED ON THE POLYMERASE CHAIN REACTION," Gene, Vol. 16, No. 18, August 1988, pp. 8887-8903
	AQ	E. Shesely et al., "CORRECTION OF A HUMAN $\beta$ -GLOBIN GENE BY GENE TARGETTING," Proc. Natl. Acad. Sci., Vol. 88, May 1991, pp. 4294-4298
	AR	H. Kim et al., "PROBLEMS ENCOUNTERED IN DETECTING A TARGETED GENE BY THE POLYMERASE CHAIN REACTION," Gene, Vol. 103, May 1991, pp. 227-233
	AS	M. Capecchi, "THE NEW MOUSE GENETICS: ALTERING THE GENOME BY GENE TARGETTING," Trends in Genetics, Vol. 5, No. 3, March 1989, pp. 70-77
	AT	M. Capecchi, "ALTERING THE GENOME BY HOMOLOGOUS RECOMBINATION," Science, Vol. 244, No. 4910, June 16, 1989, pp. 1288-1292
	AU	Y. Yanagawa et al., "ENRICHMENT AND EFFICIENT SCREENING OF ES CELLS CONTAINING A TARGETED MUTATION: THE USE OF DT-A GENE WITH THE POLYADENYLATION SIGNAL AS A NEGATIVE SELECTION MAKER," Transgenic Research, Vol. 8, February 1999, pp. 215-221
	AV	M. Hu et al., "A COMBINATION OF DEREPRESSION OF THE <i>lac</i> OPERATOR-REPRESSOR SYSTEM WITH POSITIVE INDUCTION BY GLUCOCORTICOID AND METAL IONS PROVIDES A HIGH-LEVEL-INDUCIBLE GENE EXPRESSION SYSTEM BASED ON THE HUMAN METALLOTHIONEIN-IIA PROMOTER," Molecular and Cellular Biology, Vol. 10, No. 12, December 1990, pp. 6141-6151
	AW	M. Hu et al., "THE INDUCIBLE <i>lac</i> OPERATOR-REPRESSOR SYSTEM IS FUNCTIONAL FOR CONTROL OF EXPRESSION OF INJECTED DNA IN XENOPUS OOCYTES," Gene, Vol. 62, 1988, pp. 301-313
	AX	M. Hu et al., "THE INDUCIBLE <i>lac</i> OPERATOR-REPRESSOR SYSTEM IS FUNCTIONAL IN MAMMALIAN CELLS," Cell, Vol. 48, February 27, 1987 pp. 555-566
	AY	M. Hu et al., "TARGETING THE <i>ESCHERICHIA coli lac</i> REPRESSOR TO THE MAMMALIAN CELL NUCLEUS," Gene, Vol. 99, 1991, pp. 141-150
	AZ	G. Hannan et al., "AN ENGINEERED PGK PROMOTER AND <i>lac</i> OPERATOR-REPRESSOR SYSTEM FOR THE REGULATION OF GENE EXPRESSION IN MAMMALIAN CELLS," Gene, Vol. 130, 1993, pp. 233-239
EXAMINER:		DATE CONSIDERED:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformity and not considered. Include copy of this form with next communication to applicant.